

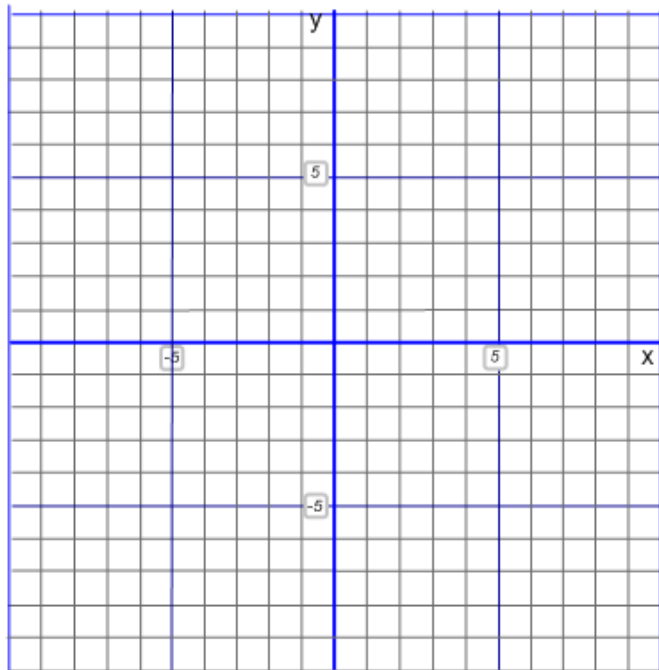
Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

$$y = mx + b \quad \text{Slope-Intercept Form} \quad m = \frac{\text{Rise}}{\text{Run}} \quad (0, b)$$

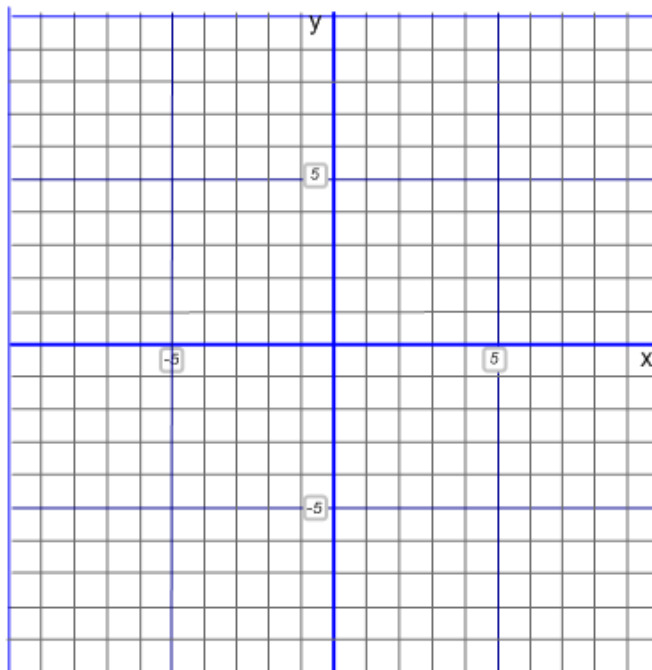
**Plot the systems of inequalities & shade the solution.**

**Classwork**

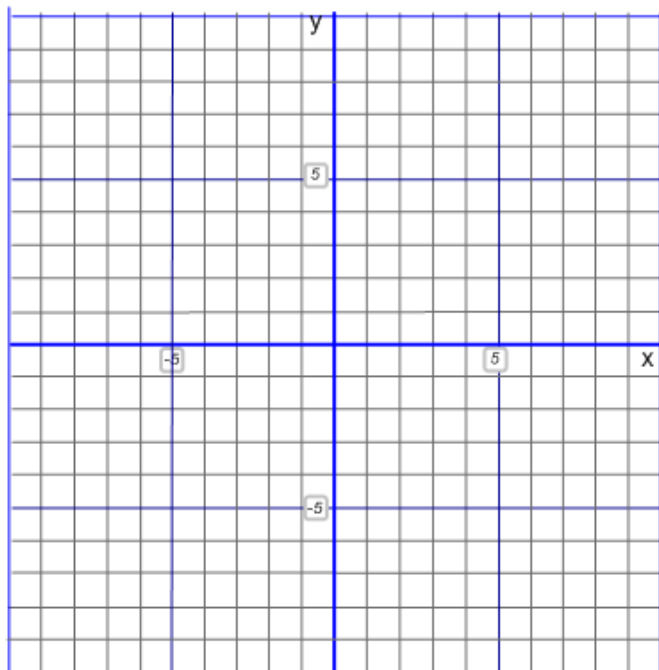
1.  $y > -x - 1$   
 $y > 2x + 2$



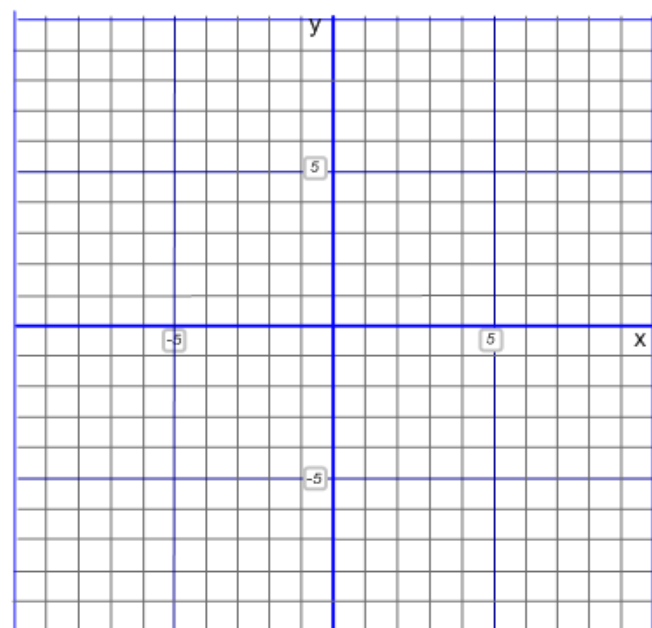
2.  $y < -x + 8$   
 $y \geq 2x - 7$



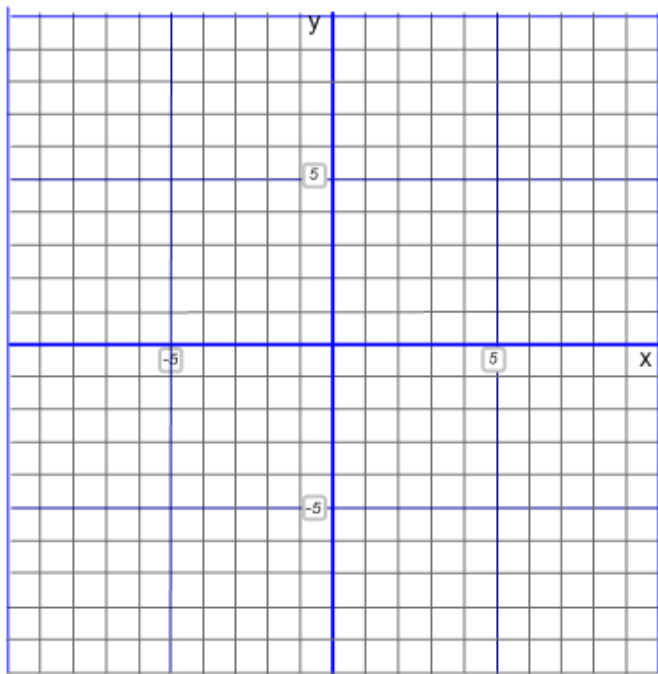
3.  $y < 3x + 1$   
 $y \leq -x + 5$



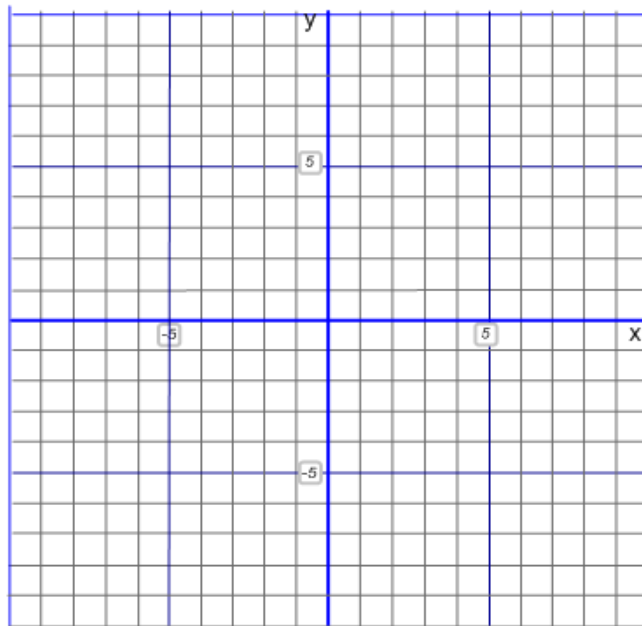
4.  $y \geq x - 6$   
 $y > \frac{1}{2}x - 7$



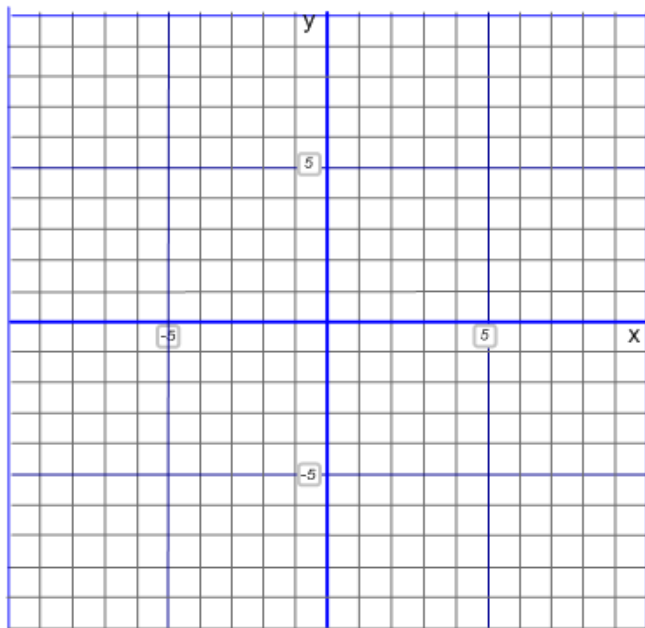
5.  $y > 4x - 2$   
 $y \leq -x - 7$



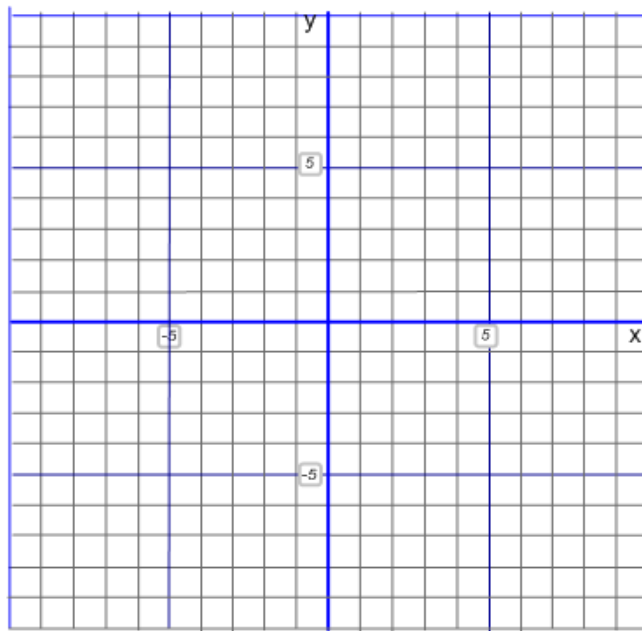
6.  $y > x - 9$   
 $y < -x + 7$



7.  $y > 2x + 1$   
 $y < 3x$



8.  $y < \frac{1}{2}x + 3$   
 $y > \frac{3}{2}x + 5$

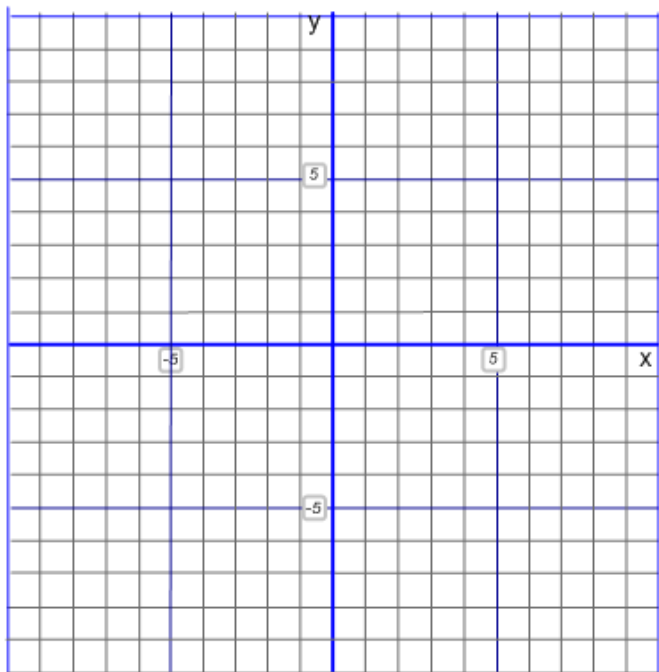


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

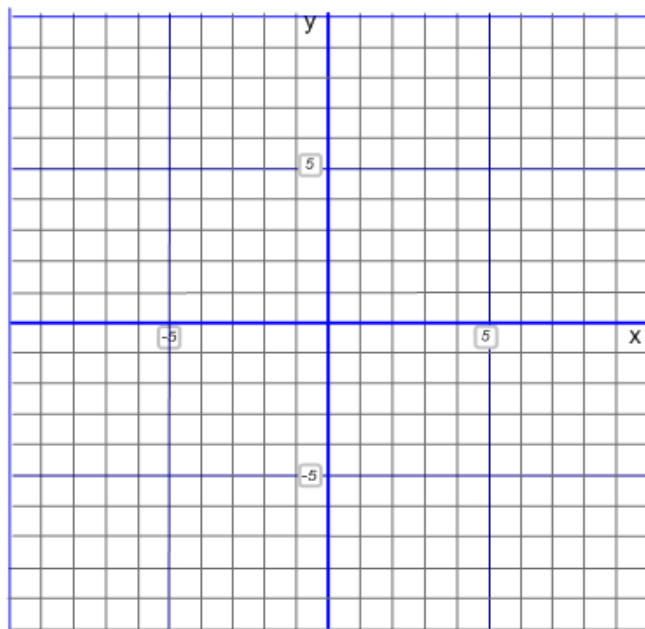
**Plot the systems of inequalities & shade the solution.**

**Homework**

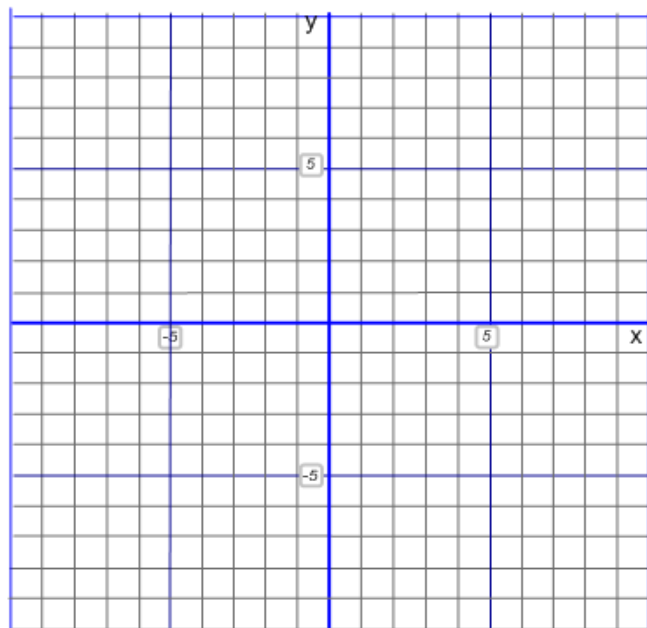
1.  $y < 3x$   
 $y < -4x - 2$



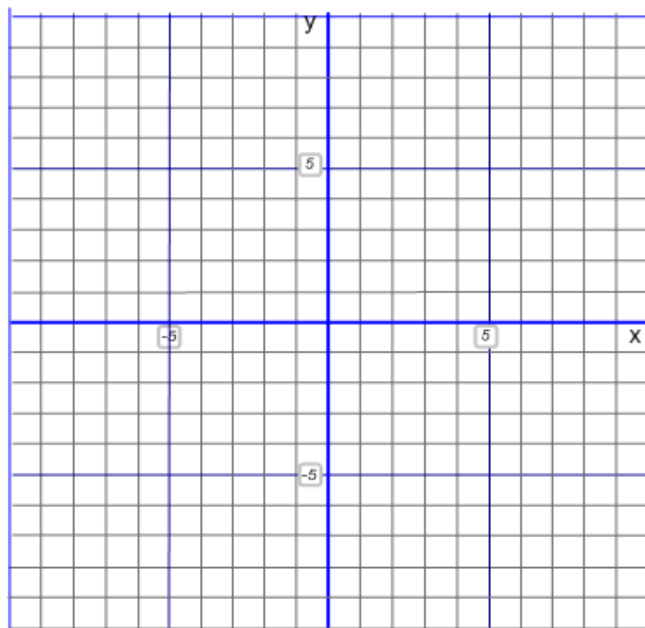
2.  $y = -x + 8$   
 $y = 2x - 7$



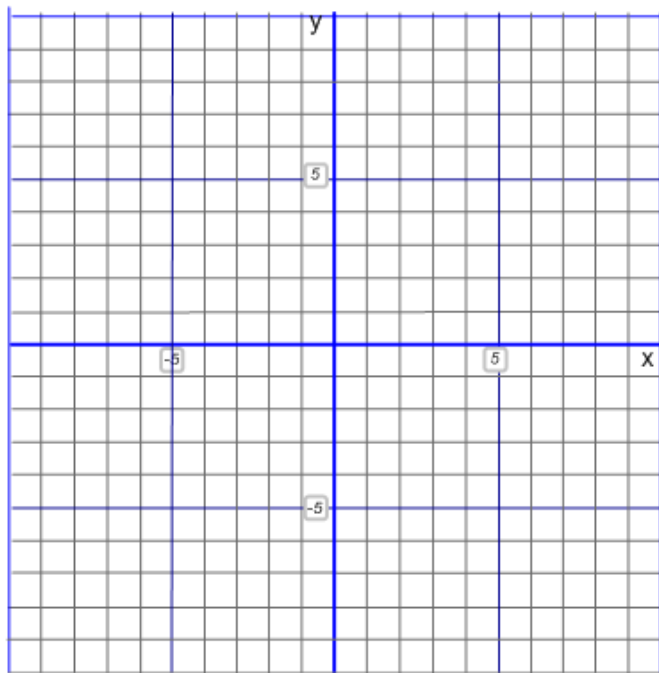
3.  $y \geq \frac{-1}{2}x + 3$   
 $y < \frac{3}{2}x - 5$



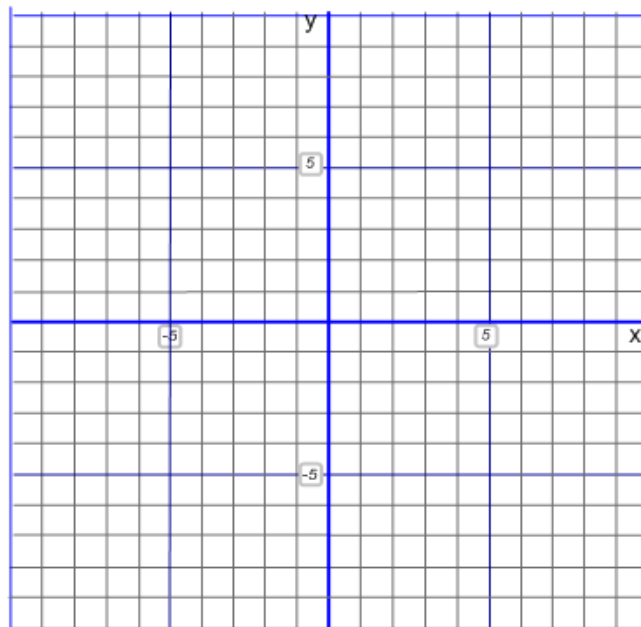
4.  $y < \frac{-1}{2}x + 3$   
 $y > \frac{3}{2}x - 5$



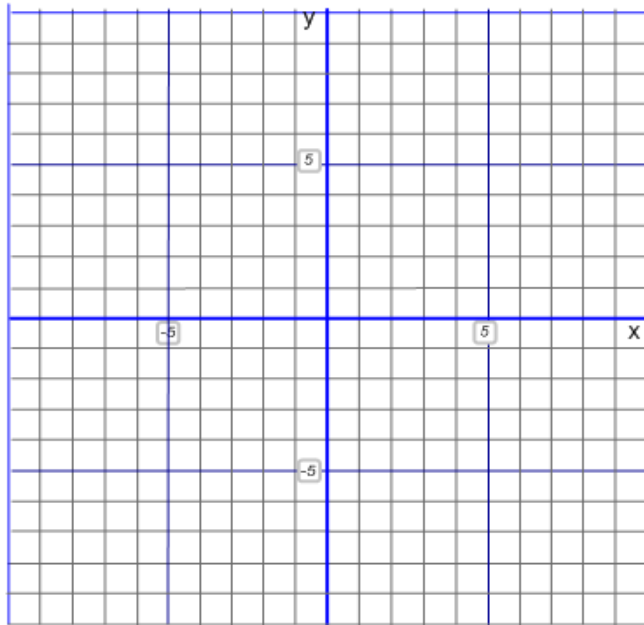
5.  $y < -3x + 5$   
 $y > 2x - 10$



6.  $y \leq x - 7$   
 $y \geq -x + 4$



7.  $y \geq -2x - 1$   
 $y < 4x$



8.  $y \leq -x + 3$   
 $y > \frac{1}{2}x - 2$

